SERVICE BULLETIN

ProDuct : AUDIO	Bulletin No. : 98-AUD-E0003
MODEL : See below	Bulletin Date : Aug 14.1998
Buyer : See attachment	ECN & data : Aug 13.1998

SUBJECT : Service Guide for model employed the new speaker

- Application Models : MAX-805,818,838,858(R),868,878,888,858P

Background : Change to new speaker(SS-SPK)

Cause : Change to model name

Solution : Refer to old Service Manual for the service(See below table)

Application Date : Running Change

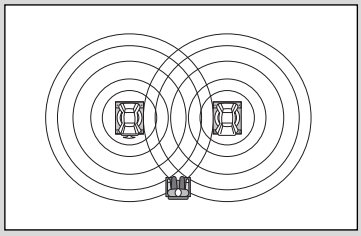
NO	Old Model Name	New Model Name	Service Manual Code No	Change area	Remark
1	MAX-800	MAX-805	AH68-20181A	PS-445 use	-Refer to old Service Manual for the service.(common)
2	MAX-810	MAX-818	AH68-20173A	SS-SPK use	
3	MAX-820	MAX-828	AH68-20186A	SS-SPK use	
4	MAX-830	MAX-838	AH68-20186A	SS-SPK use	
5	MAX-850(R)	MAX-858(R)	AH68-20176A	SS-SPK use	-Space Surround Speaker (SS-SPK)
6	MAX-852P	MAX-858P	AH68-20195A	SS-SPK use	
7	MAX-860	MAX-868	AH68-20176A	SS-SPK use	⇒ Refer to next page
8	MAX-870	MAX-878	AH68-20177A	SS-SPK use	
9	MAX-880	MAX-888	AH68-20177A	SS-SPK use	

Attachment Schematic Diagram ( ) Component Lay-out ( ) Schematic Diagram ( )
Mechanical Diagram( ) None ( ) Others (o)

Published by :	Checked by :	Approved by :

To get the most effective stereo sound

- If possible, position the height of the tweeter of the speaker system at the same height of the ears of the listener to enjoy richer sound.
- It differs according to the structure of the room. Place the speakers at the various positions to find out the optimum position. Then you will enjoy better sound.

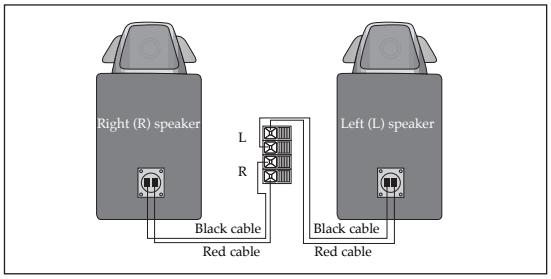


Maintenance

- Clean the system with a soft cloth applied with mild detergent or water.
- Do not use thinner, alcohol, or benzene, which peels off the paint or makes stains on the surface.

Connecting the speakers

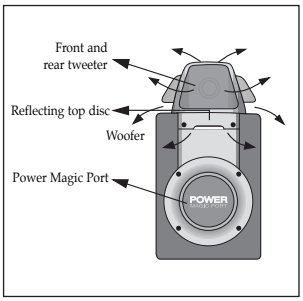
- Turn the power of the amplifier off before connecting the speakers.
- Connect the speakers using the cable enclosed with the speakers as the figure shown below. The red cable should be connected to the red terminal on both the speaker and the amplifier and the black cable to the black terminal on both. Besides, the left(L) and right(R) should be matched.
- Connect the speaker cable to the terminal accurately. If it is connected inaccurately, there may be no sound or noisy sound. Furthermore, if the +, – cables touched each other, the amplifier may be damaged.
- If the polarity of the connection is reversed, the sound quality will be lowered badly and the stereo sound will not be produced owing to the phase condition of the left and the right. Take great care to connect the speakers in phase.



About the 360° Space Surround

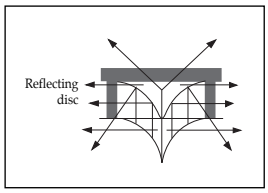
The 360° Space Surround Speaker System

- reproduces the sound of the musical instrument more naturally than the regular speakers.
- It is because that this speaker system reproduces the sound on the same principle as the resounding of the musical instrument.



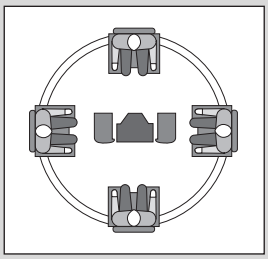
Reflecting top disc

- reflects the sound uniformly in all direction. Therefore, you can hear the same sound all around the speaker system.



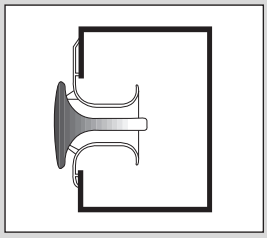
The 360° Space Surround Speaker System

- provides all the listeners around the speaker system with the same quality and volume of the sound.



Power Magic Port™

- reproduces the rich and dynamic bass sound. Especially, by the dynamic range of the medium and low frequency response, the noise generated through the port is reduced effectively to reproduce the clear bass sound.



※ Power Port™ is the patent of Polk Audio in U.S.A. Samsung Electronic has the manufacturing license to produce it.

*Note : Design and Specfication are subject to change upon improvement without prior notice.

* Buyer list(To delivery) : 98-AUD-E0003

Country	Buyer	Remark
Russia	SMSC	
Almaty	SALSC	
Ukraine	SEMO	
Tunisia	ABS	
France	SEF	
Panama	SLSC(SEPA)	
Mexico	SEM	
Saudi Arabia	ZAMA	
Germany	SEG	
Switzerland	AUTRONIC AG	
Sweden	SESAB	
Greece	Euroelectric	
South Africa	SSA	
Egypt	EL-THOLATHIA	
Peru	SAMTRONICS	

Country	Buyer	Remark

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	AUDIO	Bulletin No. :	99-AUD-E0001
Model :	MM28	Bulletin Date :	JAN. 28. 1998
Buyer :	SEE ATTACHMENT	ECN Date :	JAN. 28. 1998

SUBJECT : Improve Distortion

Background : (Symptom) Distortion is under condition of normal when the volume mode is low(level3) at the 1KHz of CD signal

.

Cause : Noise is inflowed into the output signal of Meter Amp at LEVEL/METER section due to the interference of GND

Application Date : RUNNING CHANGE

(* I.C : Interchangeability Code Type)

Location No.	OLD (before) Parts		NEW (changed) Parts		* I.C
	SEC Code	Description	SEC Code	Description	
LR2R	2207-000572	RESISTOR -220ohm	2007-000766	RESISTOR - 330ohm	C
LR2L	2207-000572	RESISTOR -220ohm	2007-000766	RESISTOR - 330ohm	C
LR6R	2007-000493	RESISTOR -2.2K ohm	2007-000565	RESISTOR - 220K ohm	C
LR6L	2007-000493	RESISTOR -2.2K ohm	2007-000565	RESISTOR - 220K ohm	C

Type	A type	B type	C type	D type	E type	F type
Interchange-ability Code (* I.C)	OLD → Early (Part) (Time) NEW → Late	OLD → Early (Part) (Time) NEW → Late	OLD Early (Part) (Time) NEW → Late	OLD → Early (Part) (Time) NEW → Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

Application	Reference (O)	Only Defected sets (	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out (	Exploded View ( )
	Mechanical Diagram ( )	P.C.B ( )	None (0)

Product Month :		Serial No. (~ from)	
Published by :	Checked by :	Approved by :	

¡á Buyer List (To delivery) : 99-AUD-E0001

Country	Buyer	Remark
MACEDONIA	MAK MEDIA	
UKRINE	SUSC	
RUSSIA	SRSC	
KAZAKHSTAN	SALSC	
RUSSIA	SESPO	
INDIA	SIEL	
AUSTRIA	ELSAT	
BULGARIA	OMAX	
SLOVENIA	INTRADE	
NETHERAND	AMFO	
CHILE	G/SUPPLY	
TUNISIA	ABS ELECTRONIC	
UTD. ARAD. E	SGSC	
EGYPT	EL-THOLATH	
U.K	SESC	
SAUDI ARABI	ZAMA	
GERMANY	SEG	
PERU	SAMTRONICS	
ARGENTINA	SEASA	
SPAIN	SECOSA	
FRANCE	SEF	
MEXICO	SEM	
PANAMA	SLSC	

Country	Buyer	Remark

SERVICE BULLETIN

ProDuct : AUDIO	Bulletin No. : 99-AUD-E0002
MODEL : MM29/MM39	Bulletin Date : June 14.1999
Buyer : See attachment	ECN & data : June 14.1999

SUBJECT : Printing error for Service Manual of speaker

Background : Change to correct speaker

Cause : Printing Error(page 2-5)

Solution : Change to page 2-5

Application Date : Running Change

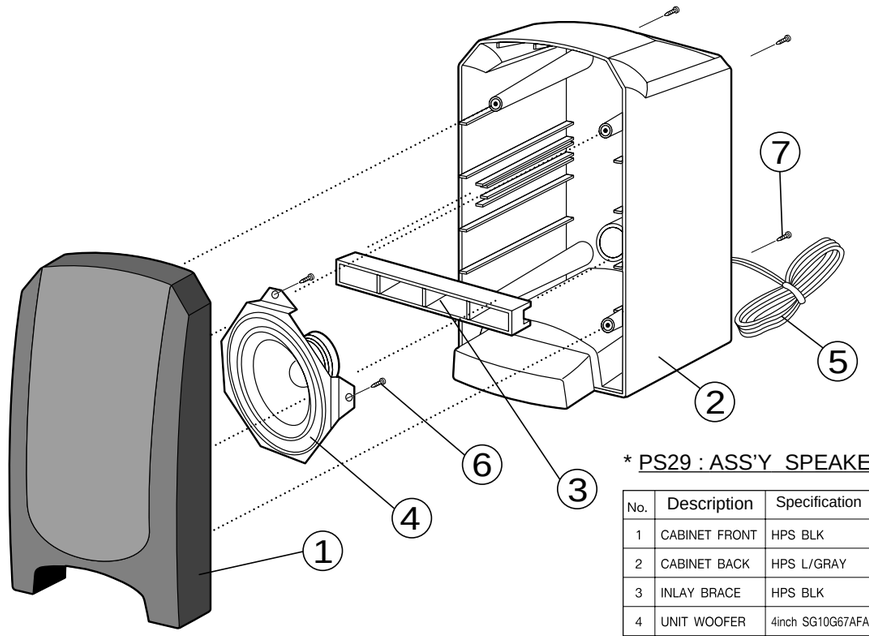
NO	Model Name	Service Manual Code No	Change area	
1	MM29/MM39	AH68-20183D	PAGE 2-5	

Attachment Schematic Diagram ( ) Component Lay-out ( ) Schematic Diagram ( )
Mechanical Diagram(o) None ( ) Others ( )

Published by :	Checked by :	Approved by :

2-5 SPEAKER Exploded View and Parts list(COMMON)

2-5-1 MM29

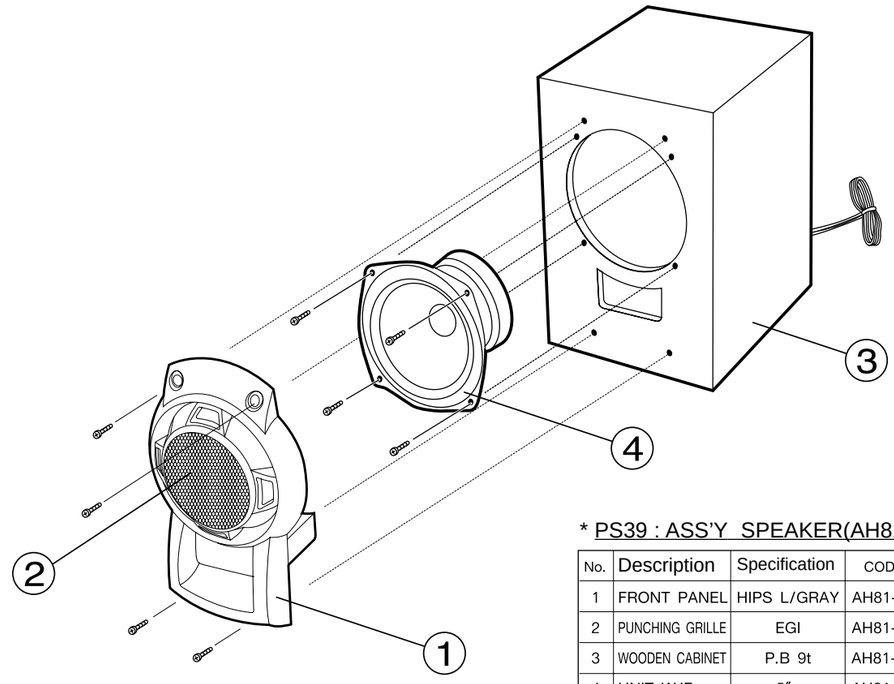


* PS29 : ASS'Y SPEAKER(AH59-0003A)

No.	Description	Specification	CODE-NO	Q'TY	Remark
1	CABINET FRONT	HPS BLK	AH64-30462A	1	
2	CABINET BACK	HPS L/GRAY	AH64-30463A	1	
3	INLAY BRACE	HPS BLK	AH64-60060A	1	
4	UNIT WOOFER	4inch SG10G67AFA	3001-001082	1	
5	SPEAKER CORD	RED&BLK 2M	AH38-00001A	1	
6	SCREW	φ 3×8 YEL	6003-000198	4	
7	SCREW	φ 3×12 YEL	6003-000277	4	

* CAUSION : It is used the bonding, connet CABINET FRONT to CABINET BACK .
So when the disassembly, take extreme care not to demage the SPEAKER.

2-5-2 MM39



* PS39 : ASS'Y SPEAKER(AH81-00067R)

No.	Description	Specification	CODE-NO	Q'TY
1	FRONT PANEL	HIPS L/GRAY	AH81-00067A	1
2	PUNCHING GRILLE	EGI	AH81-00067B	1
3	WOODEN CABINET	P.B 9t	AH81-00067C	1
4	UNIT W/F	5″	AH81-00067D	1

* CAUSION : It is used the bonding, connet FRONT PANEL to WOODEN CABINET ASS'Y.
So when the disassembly, take extreme care not to demage the SPEAKER.

* Buyer list(To delivery) : 99-AUD-E0002

Country	Buyer	Remark
Poland	SEPOL	
Mexico	SEM	
Austria	ELSAT	
Algeria	SENTRAX	
Switzerlan	AUTRONIC	
Egypt	EL-THOLATH	
Russian	SESPO	
Kazakhstan	SALSC	
USA	AST	
Russian	SRSC	
Utd.Arab.E	SGSC	
Russian	SUSC	
United Kin	SESC	
France	SEF	
Denmark	NSI	
Portugal	SEP	
Germany	SEG	
Netherland	AMFO	
Panama	SELA	
Greece	EUROELECTR	
Saudi Arab	ZAMA	
Lebanon	TAWIL	
Croatia	EUROPATRAD	
Italy	SEI	
Spain	SECOSA	
Sweden	SESAB	

Country	Buyer	Remark

SERVICE BULLETIN

ProDuct : AUDIO	Bulletin No. : 99-AUD-E0003
MODEL : MM19	Bulletin Date : JULY 14.1999
Buyer : See attachment	ECN & data : JULY 13.1999

SUBJECT : Printing error for Service Manual of CASSETTE DECK

Background : Change to correct parts of Cassette Deck

Cause : Printing Error(page 2-1)

Solution : Change to page 2-1

Application Date : Running Change

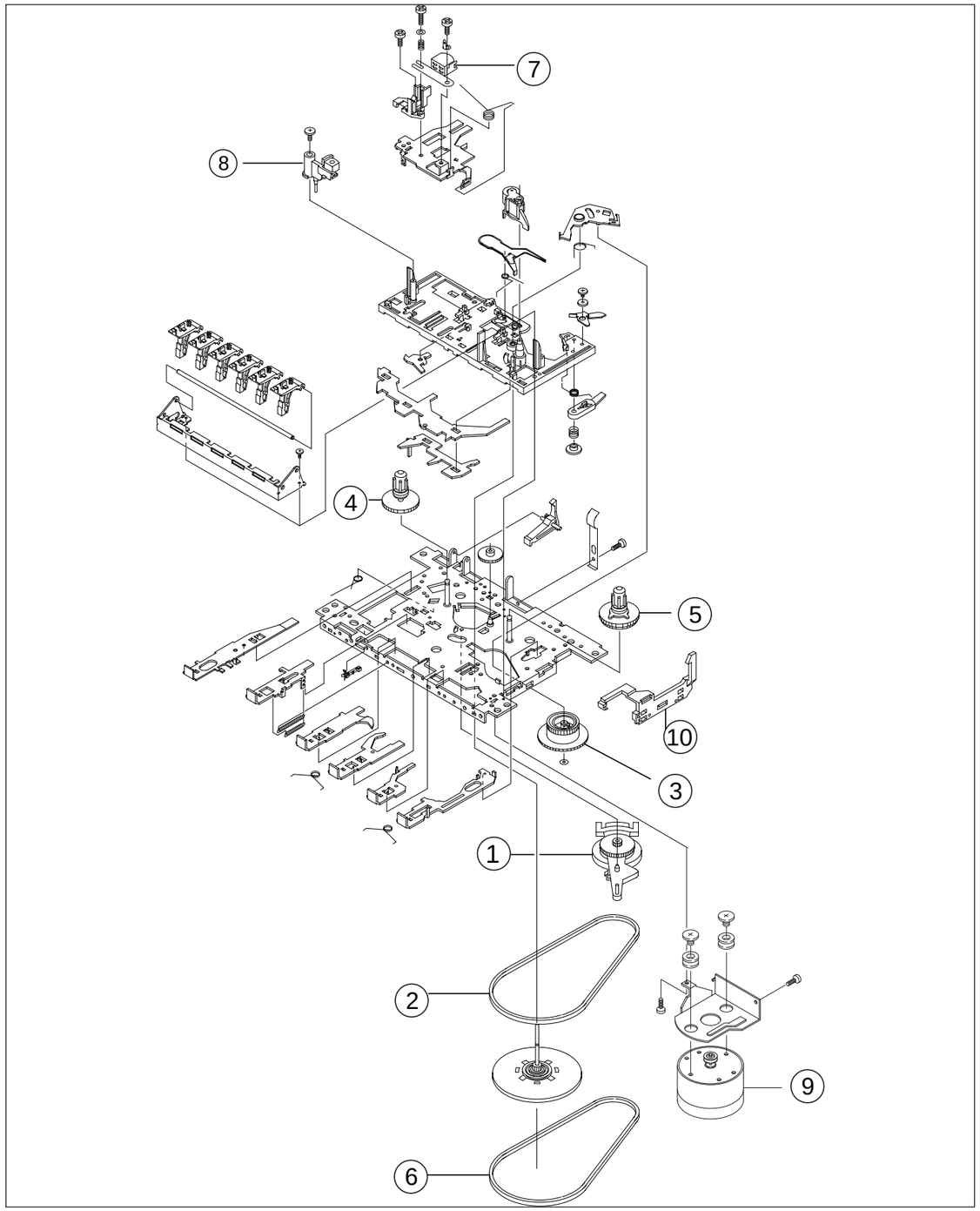
NO	Model Name	Service Manual Code No	Change area	
1	MM19	AH68-20183B	PAGE 2-1	

Attachment Schematic Diagram ( ) Component Lay-out ( ) Schematic Diagram ( )
Mechanical Diagram(o) None ( ) Others ( )

Published by :	Checked by :	Approved by :

2.Exploded Views and Parts List

2-1 Cassette Deck Exploded View and Parts List



No.	Code No.	Description	Specification	Remarks
	AH59-20006D	DECK ASS'Y	YN21ZSC-56	
1	AH81-11037D	R.F PULLEY ASS'Y	8521-200090-300	
2	AH81-11154D	BELT SUB	6600-090014-001	
3	AH81-11037H	CAM GEAR	6021-200802-001	
4	AH81-11037J	S REEL ASS'Y	8521-200080-300	
5	AH81-11037K	T REEL ASS'Y	8521-200070-300	
6	AH81-11154E	BELT MAIN	6600-090020-001	
7	AH81-11150W	R/P HEAD	TC-591	
8	AH81-10022T	ERASE HEAD	TDK6A	
9	AH81-10688A	MOTOR	EG530AD2B	YANION SINGLE
10	AH81-10695L	EJECT SLIDE LEVER	YAN10N	

* Buyer list(To delivery) : 99-AUD-E0003

Country	Buyer	Remark
Austria	ELSAT	
Switzerlan	AUTRONIC	
Russian	SESPO	
Kazakhstan	SALSC	
Russian	SRSC	
Russian	SUSC	
United Kin	SESC	
France	SEF	
Denmark	NSI	
Germany	SEG	
Netherland	AMFO	
Greece	EUROELECTR	
Croatia	EUROPATRAD	
Italy	SEI	
Spain	SECOSA	
Sweden	SESAB	
Slovenia	INTRADE	

Country	Buyer	Remark

SERVICE BULLETIN

ProDuct : AUDIO	Bulletin No. : 2000-AUD-E0006
MODEL : MAX920/MAX930/MAX932P MAX940/MAX943V	Bulletin Date : MAR 10.2000
Buyer : ALL BUYER	ECN & data : MAR 09.1999

SUBJECT : TO IMPROVE PERFORMANCE

Background : Change to Cassette Deck Ass'y.

Cause : To improve quality for Cassette deck.

Solution : There are two different Cassette deck that can be used for replacing Cassette deck.
One is Cassette deck ; ADR2113(MW3,SW3) and the other is Cassette deck ; ADR241(AMW,DSW).
They are not interchangeable.

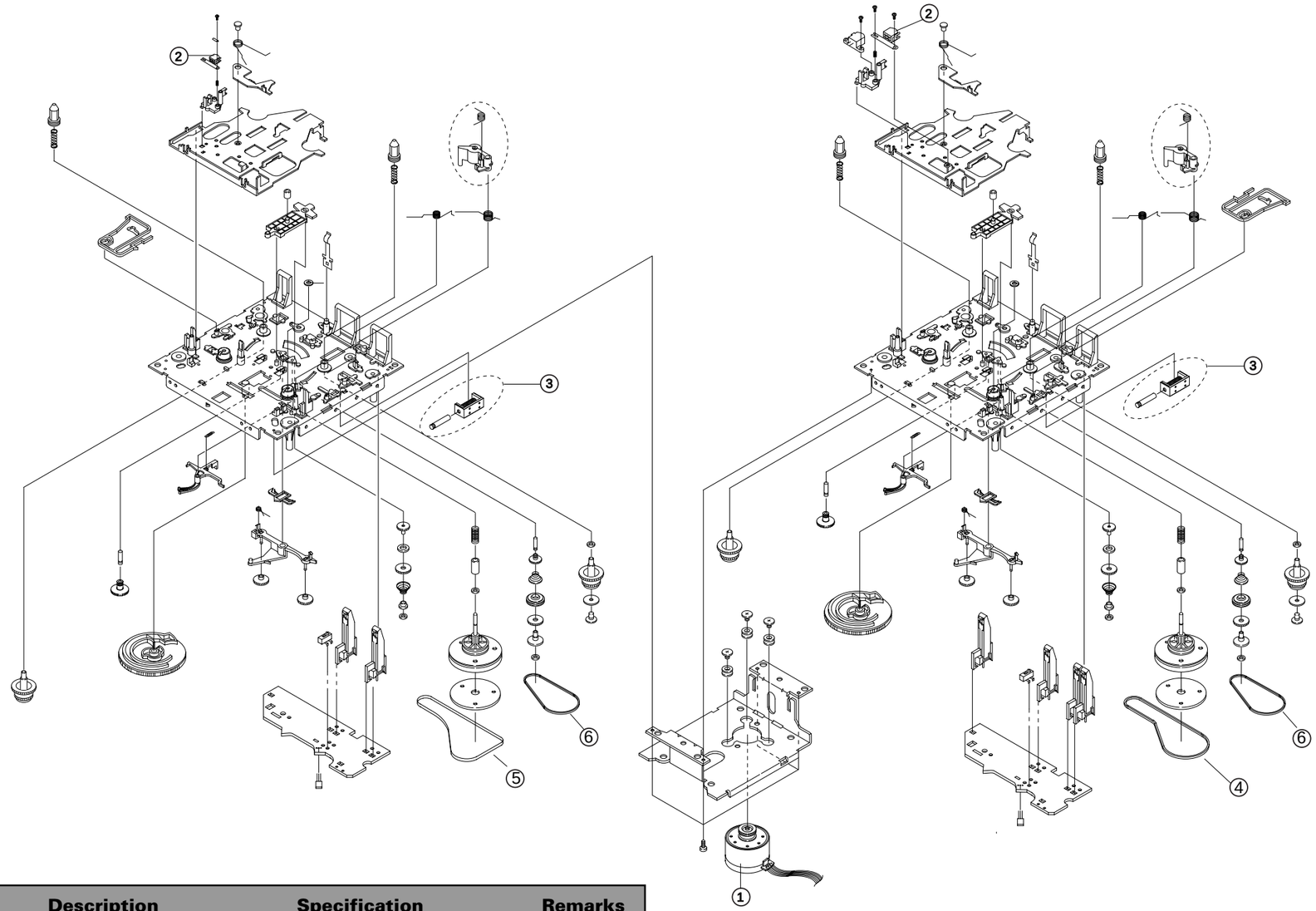
Application Date : Running Change

Attachment Schematic Diagram ( ) Component Lay-out ( ) Schematic Diagram ( )
Mechanical Diagram(o) None ( ) Others ( )

Published by :	Checked by :	Approved by :

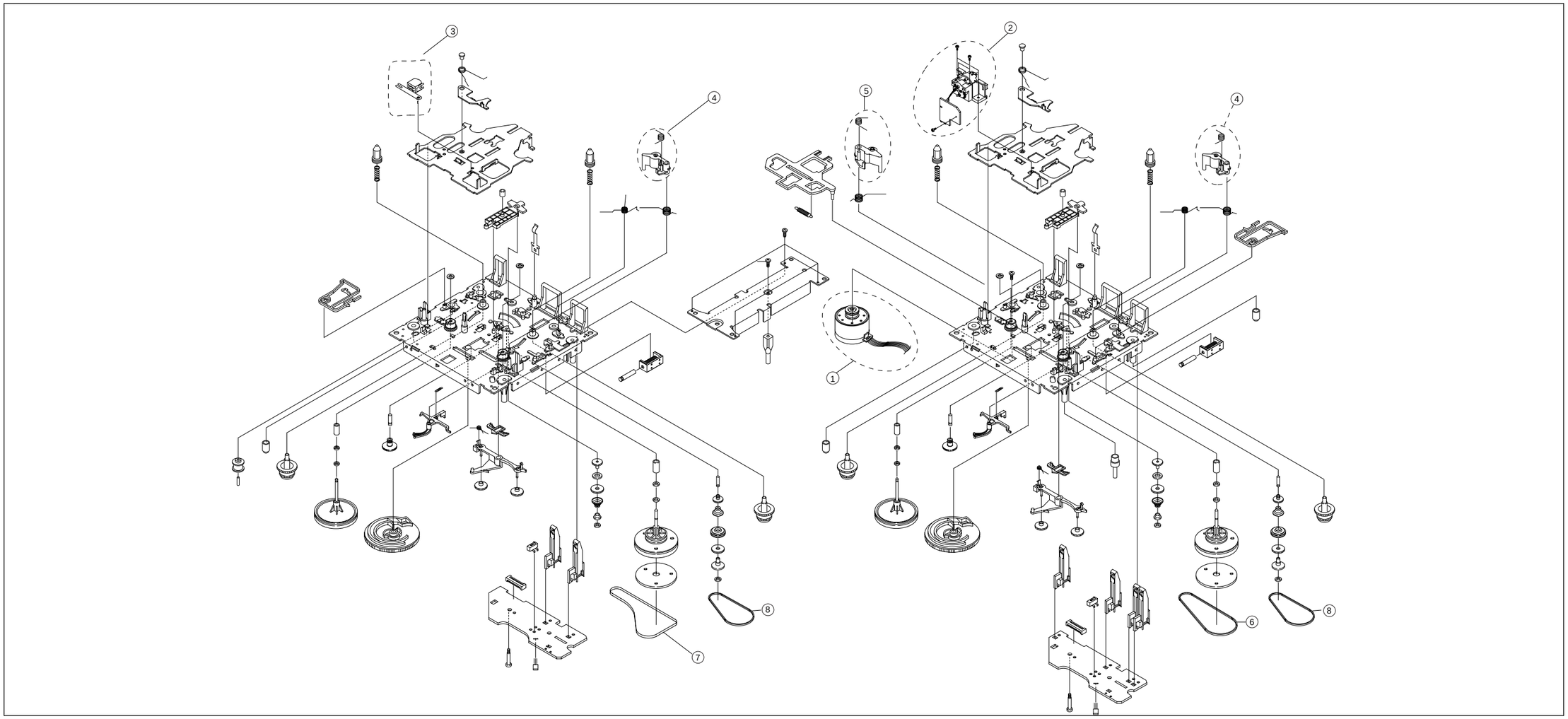
2.Exploded Views and Parts List

2-1 Cassette Deck :ADR2115SW3(OLD)

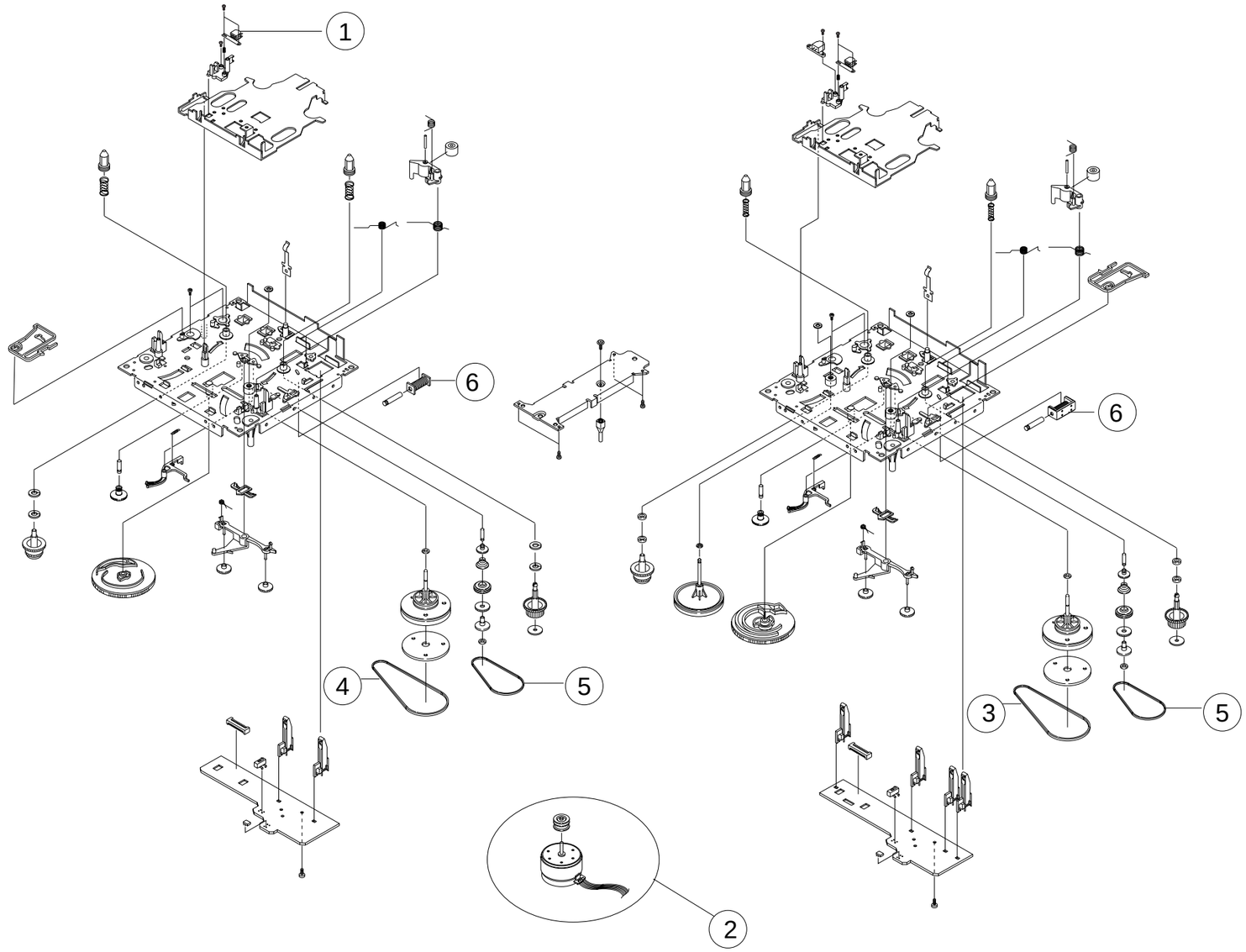


No.	Code No.	Description	Specification	Remarks
	AH59-20005U	DECK-CASSETTE	ADR2115SW3	
1	AH81-11052G	MOTOR ASS'Y	EG530YD2BH	
2	AH81-10022E	HEAD ASS'Y(P/B)	MS15RAA2N1	
3	AH81-10798V	SOLENOID ASS'Y	ADR2100-10(24Ω)	
4	AH81-10798Q	MAIN BELT(R/P)	ADR2115SW3	
5	AH81-10798T	MAIN BELT(P/B)	ADR2115SW3	
6	AH81-10798U	SUB BELT	ADR2100-09	

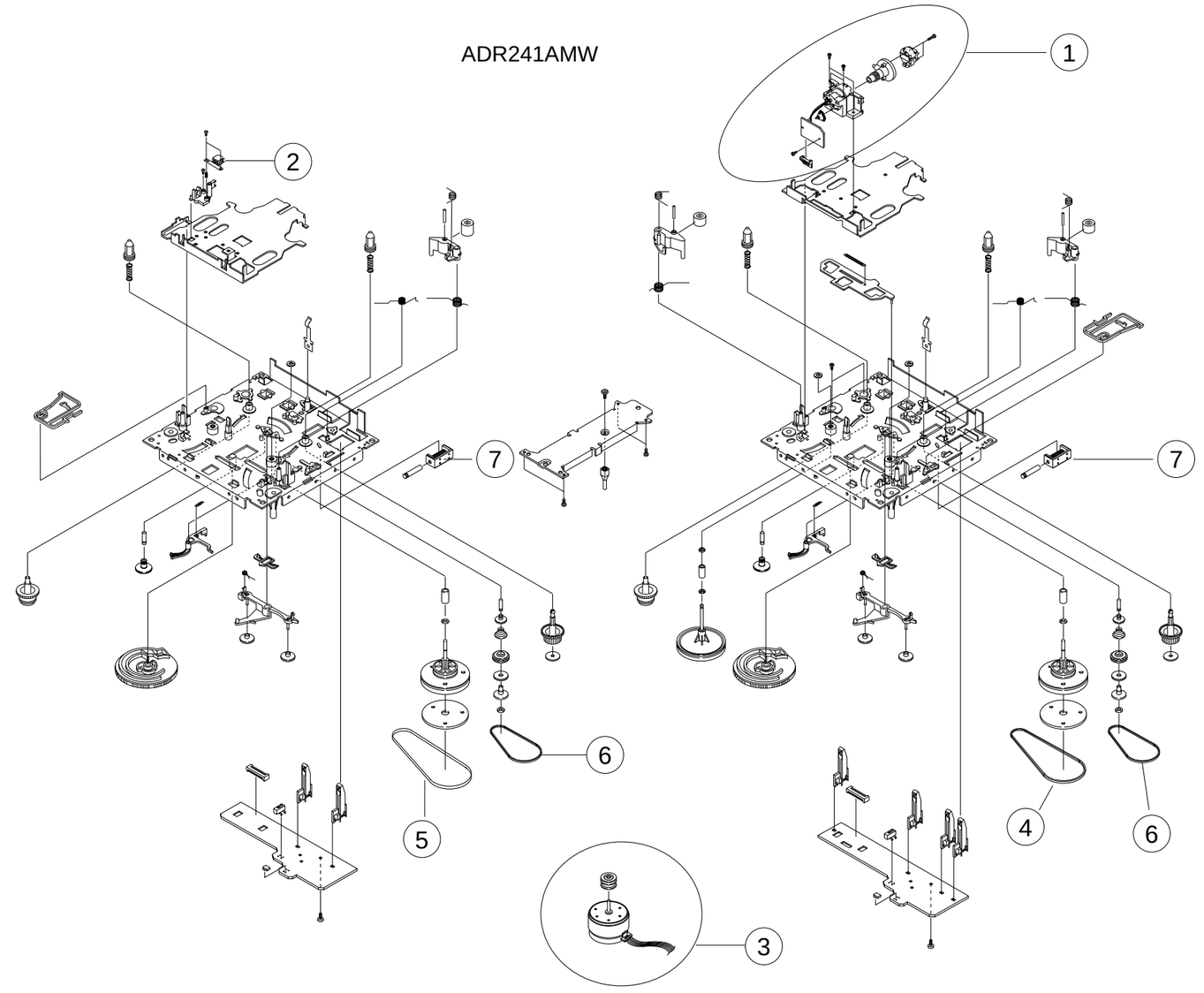
2-2 Cassette Deck :ADR2113MW3(OLD)



No.	Code No.	Description	Specification	Remarks
	AH59-20006B	DECK-CASSETTE	ADR2113MW3	
1	AH81-11052G	MOTOR ASS'Y	EG530YD2BH	
2	AH81-10798Y	HEAD ASS'Y(R/P)	YK56RAA4N3	
3	AH81-10022E	HEAD ASS'Y(P/B)	MS15RAA2N1	
4	AH81-10798K	PINCH ARM(F)	ADR2100-06	
5	AH81-10798M	PINCH ARM(R)	ADR2100-07	
6	AH81-10798Q	MAIN BELT(R/P)	ADR2113MW-02	
7	AH81-10798T	MAIN BELT(P/B)	ADR2113MW-03	
8	AH81-10798U	SUB BELT	ADR2100-09	



No.	Code No.	Description	Specification	Remarks
	AH59-20006K	DECK-CASSETTE	ADR241DSW	
1	AH81-00141A	HEAD	TC881CB	MT59-00044A
2	AH81-00142A	MOTOR ASS'Y(P/B)	ADR2400-SHU2L	MT91-11013D
3	AH81-00145A	MAIN BELT1	ADR2400-MAIN 80.8	6602-001012
4	AH81-00146A	MAIN BELT2	ADR2400-MAIN 54.3	6602-001013
5	AH81-00101A	SUB BELT	ADR2400-FR	6602-001055
6	AH81-00102A	SOLENOID	ADR2400-1	MT75-00049A



No.	Code No.	Description	Specification	Remarks
	AH59-20006J	DECK-CASSETTE	ADR241AMW	
1	AH81-00140A	ASS.Y RP HEAD	ADR2400-RP(SANKYO)	MT91-11011P
2	AH81-00141A	HEAD PB	TC881CB	MT59-00044A
3	AH81-00142A	“ASS,Y MOTOR”	ADR2400-SHU2L	MT91-11013D
4	AH81-00143A	BELT MAIN1	ADR2400-MAIN 76.2	6602-001038
5	AH81-00144A	BELT MAIN2	ADR2400-MAIN 64.6	6602-001050
6	AH81-00101A	BELT SUB	ADR2400-FR	6602-001055
7	AH81-00102A	SOLENOID	ADR2400-1	MT75-00049A

SERVICE BULLETIN

ProDuct : AUDIO	Bulletin No. : 2000-AUD-E0005
MODEL : MAX960/MAX980	Bulletin Date : FEB. 28.2000
Buyer : ALL BUYER	ECN & data : FEB. 28.2000

SUBJECT : PRINTING ERROR FOR SPEAKER SYSTEM

- Application Models : MAX960/MAX980

Cause : PRINTING ERROR

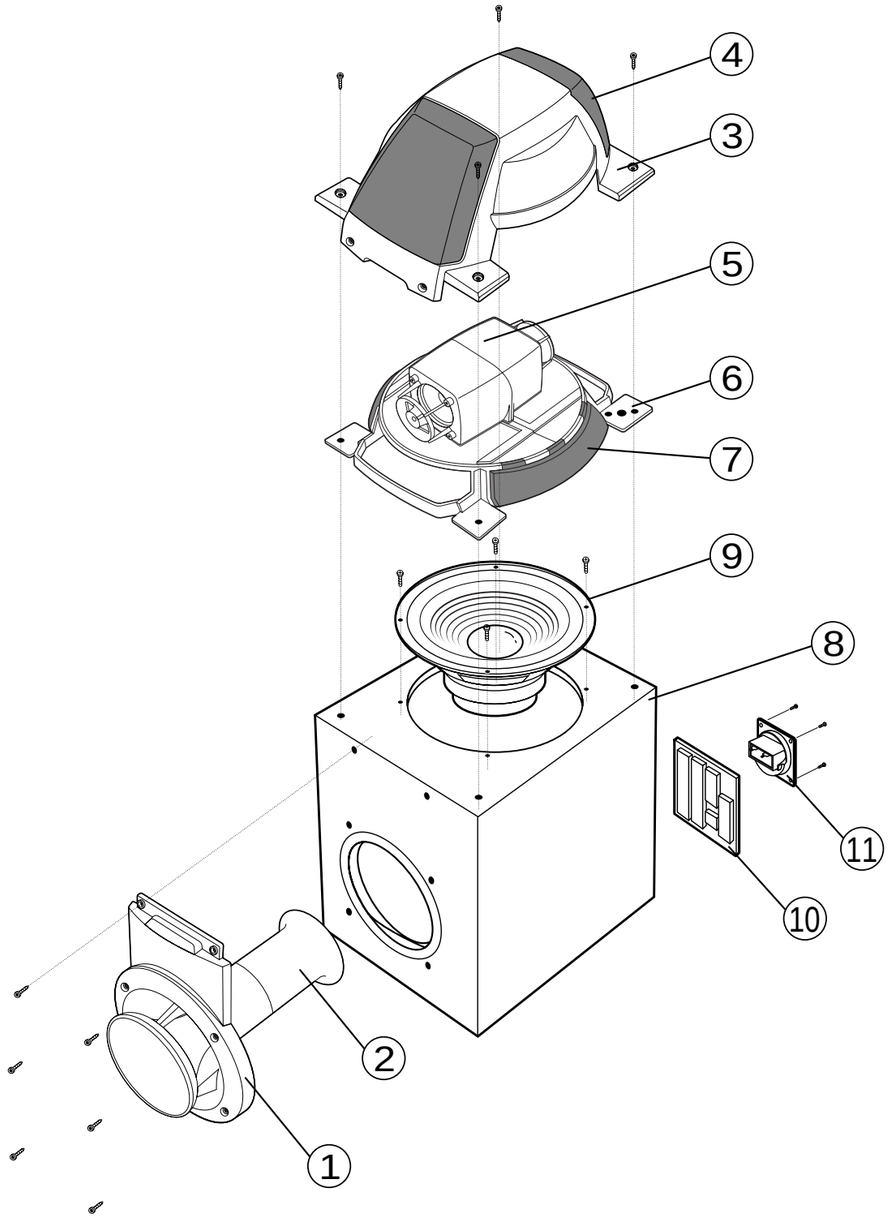
Solution : Reference attachment

Application Date : Running Change

Attachment Schematic Diagram ( ) Component Lay-out ( ) Schematic Diagram ( )
Mechanical Diagram( ) None ( ) Others (o)

Published by :	Checked by :	Approved by :

2-4 SPEAKER Exploded View and Parts list



* AH81-00082A : MAX960 SPEAKER ASS'Y

No.	Description	Specification	CODE-NO	Q'ty
1	PANEL FRONT	HIPS L/GRAY	AH81-00082C	1
2	DUCT B	HIPS BLK	AH81-00082F	1
3	PANEL TOP	HIPS L/GRAY	AH81-00082G	1
4	PUNCHING GRILLE	EGI	AH81-00082H	2
5	TWEETER BRACKET	HIPS L/GRAY	AH81-00082J	2
6	REFLECTOR	HIPS L/GRAY	AH81-00082K	1
7	NET SIDE	HIPS BLK	AH81-00082L	2
8	CABINET ASS'Y	P.B 12t	AH81-00082M	1
9	UNIT W/F	8″	AH81-00082N	1
10	NETWORK ASS'Y		AH81-00082U	1
11	TERMINAL		AH81-00082W	1

* AH81-00083A : MAX980 SPEAKER ASS'Y

No.	Description	Specification	CODE-NO	Q'ty
1	PANEL FRONT	HIPS L/GRAY	AH81-00083C	1
2	DUCT B	HIPS BLK	AH81-00083F	1
3	PANEL TOP	HIPS L/GRAY	AH81-00083G	1
4	PUNCHING GRILLE	EGI	AH81-00083H	2
5	TWEETER BRACKET	HIPS L/GRAY	AH81-00083J	2
6	REFLECTOR	HIPS L/GRAY	AH81-00083K	1
7	NET SIDE	HIPS BLK	AH81-00083L	2
8	CABINET ASS'Y	P.B 12t	AH81-00083M	1
9	UNIT W/F	8″	AH81-00083N	1
10	NETWORK ASS'Y		AH81-00083U	1
11	TERMINAL		AH81-00083W	1

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	AUDIO	**Bulletin No.**	: 2000-AUD-E0002
Model :	MAX 945D	**Bulletin Date**	: FEB. 16. 2000
Buyer :	SEE ATTACHMENT	**ECN # & Date :**	2000

SUBJECT : Improve Fan noise

Background : when the FAN is rotating, noisy is too loud
(Symptom)

.

Cause : FAN speed is too high

Solution : change FAN

Application Date : RUNNING CHANGE

(* I.C : Interchangeability Code Type)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
fan	AH31-10020A	FAN : 4000rpm	3103-001080	FAN : 3000 rpm	

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange-ability Code (* I.C)	OLD → Early (Part) (Time) NEW → Late	OLD → Early (Part) (Time) NEW → Late	OLD Early (Part) (Time) NEW → Late	OLD → Early (Part) (Time) NEW → Late	Part Addition (× ¡æ NEW)	Part deletion (OLD ¡æ ×)

Application	Reference (O)	Only Defected sets ( )	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	P.C.B ( )	others (0)

Product Month :		**Serial No.** (~ from)	
Published by :	**Checked by :**	**Approved by :**	

MAX 945DVD CHANGING METHOD OF FAN - method 2

Countermeasure : FAN CHANGE : 4000 rpm => 3000 rpm

1. Remove 17 screws of TOP(B) and SIDE(C) Panel.
   = Refer to SVC manual page 3-1
2. Connect 220V POWER
   and POWER ON ¡æ DOOR OPEN ¡æ separate DOOR CD(A)
   and DOOR CLOSE ¡æ POWER OFF ¡æ Disconnect POWER
   = Refer to SVC manual page 3-1 or above figure

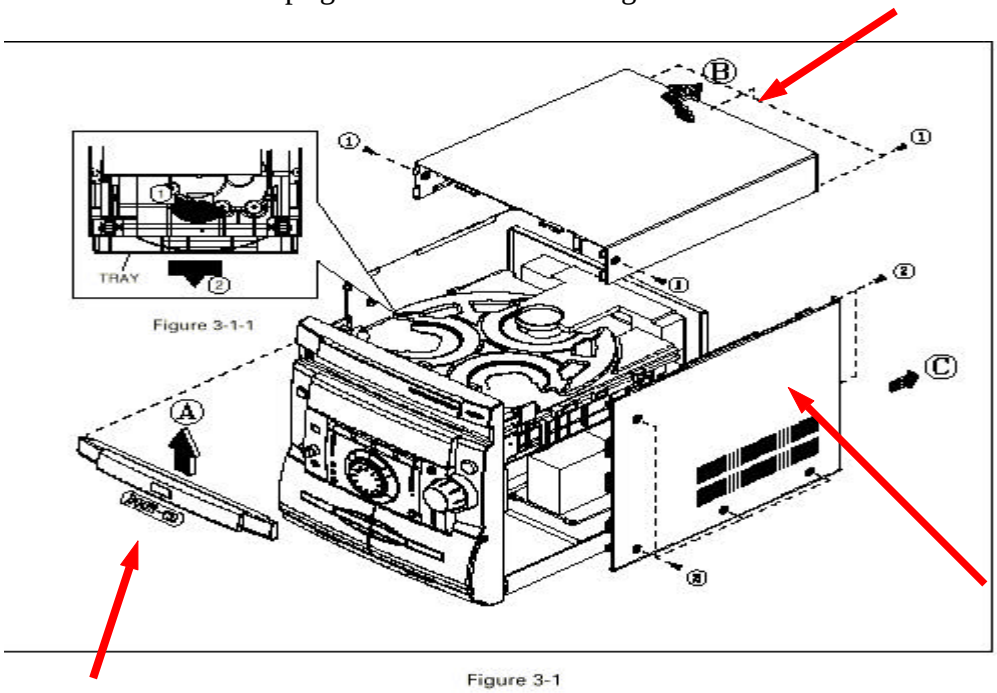


Figure 3-1

3. Remove 2 screws of DECK at Rear Panel (2EA)
   = Refer to SVC manual page 3-2

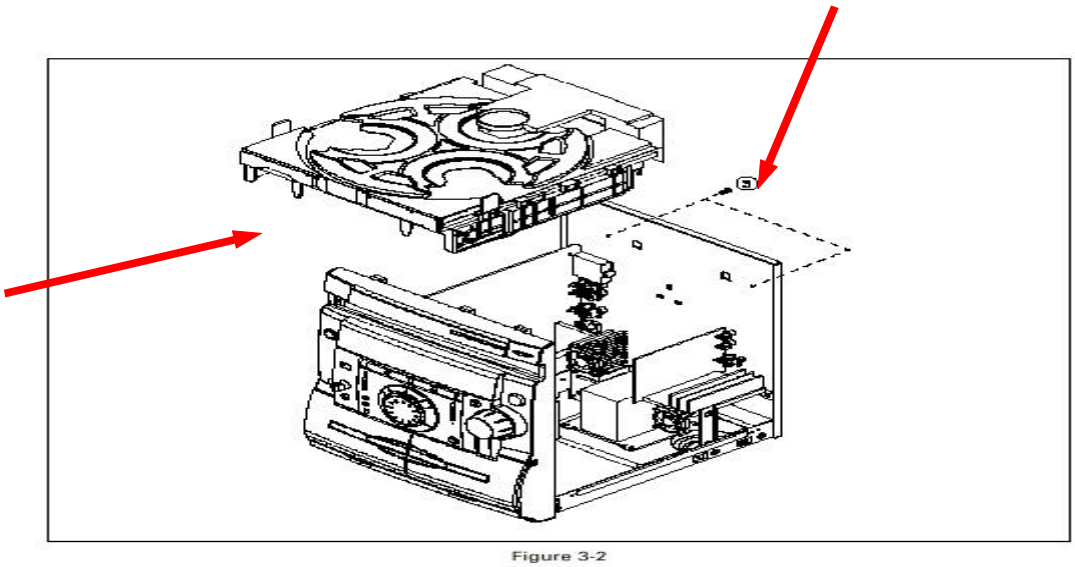
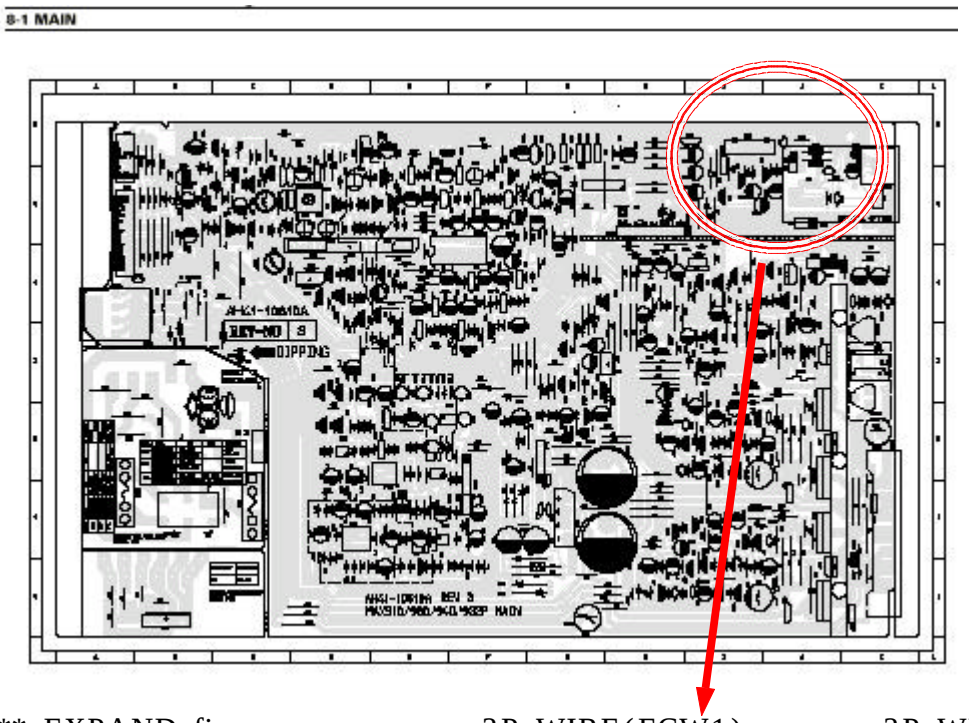


Figure 3-2

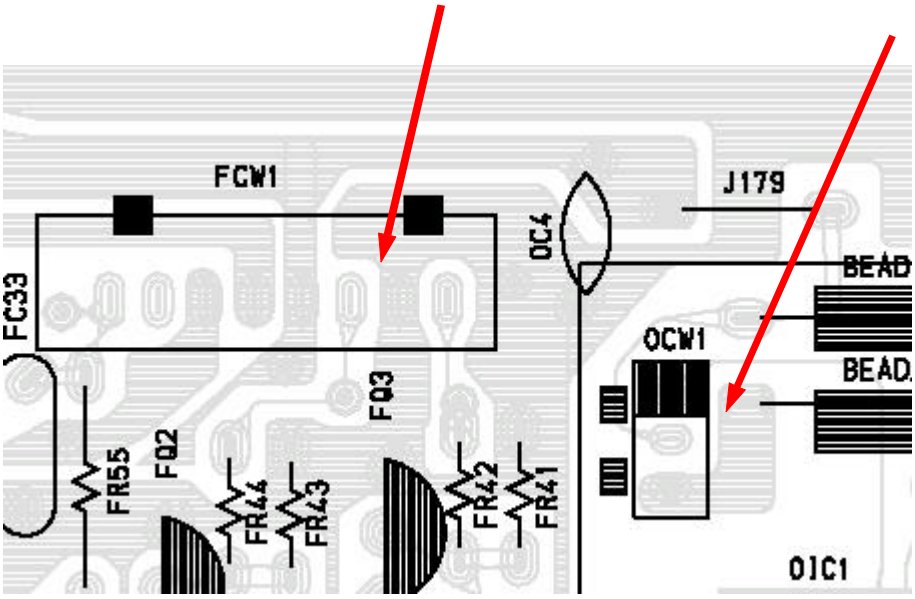
4. Lift the back of the CD-MECHA to remove
and disconnect connecting 5 wires.

- OCW1 (RED) of MAIN PCB <- CD DECK 3P wire
- FCW1 (GRAY) of MAIN PCB <- CD DECK 3P wire
- LCW1 (GRAY) of PRO-LOGIC PCB ¡ç CD DECK 2P wire
- LCW4 of PRO-LOGIC PCB ¡ç CD DECK 9P wire
- UCW8 FLAT wire of FRONT-PCB ¡ç CD DECK 22P wire

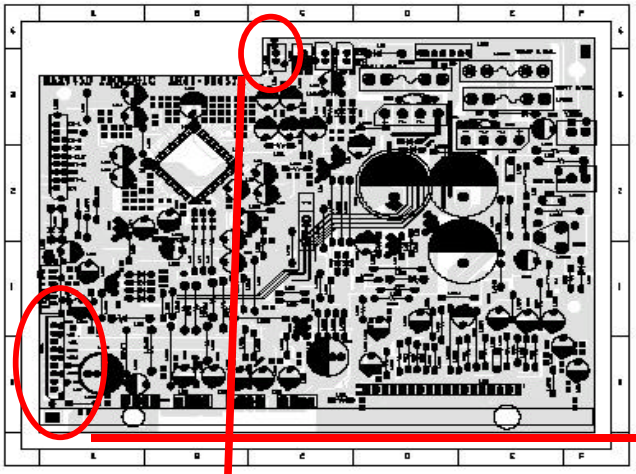
=== Refer to SVC manual page 8-1,8-2,8-3



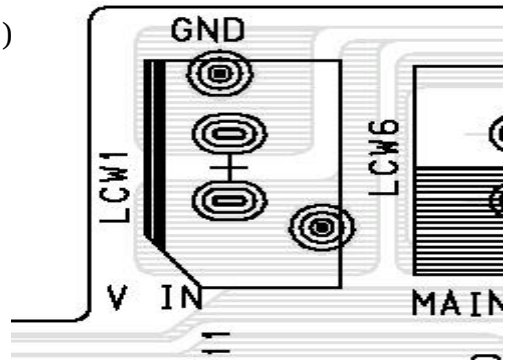
*** EXPAND figure 3P WIRE(FCW1) 3P WIRE(OCW1)

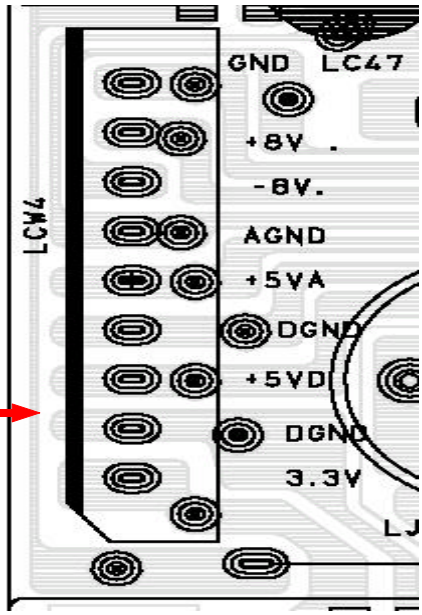


8-3 Pro-Logic



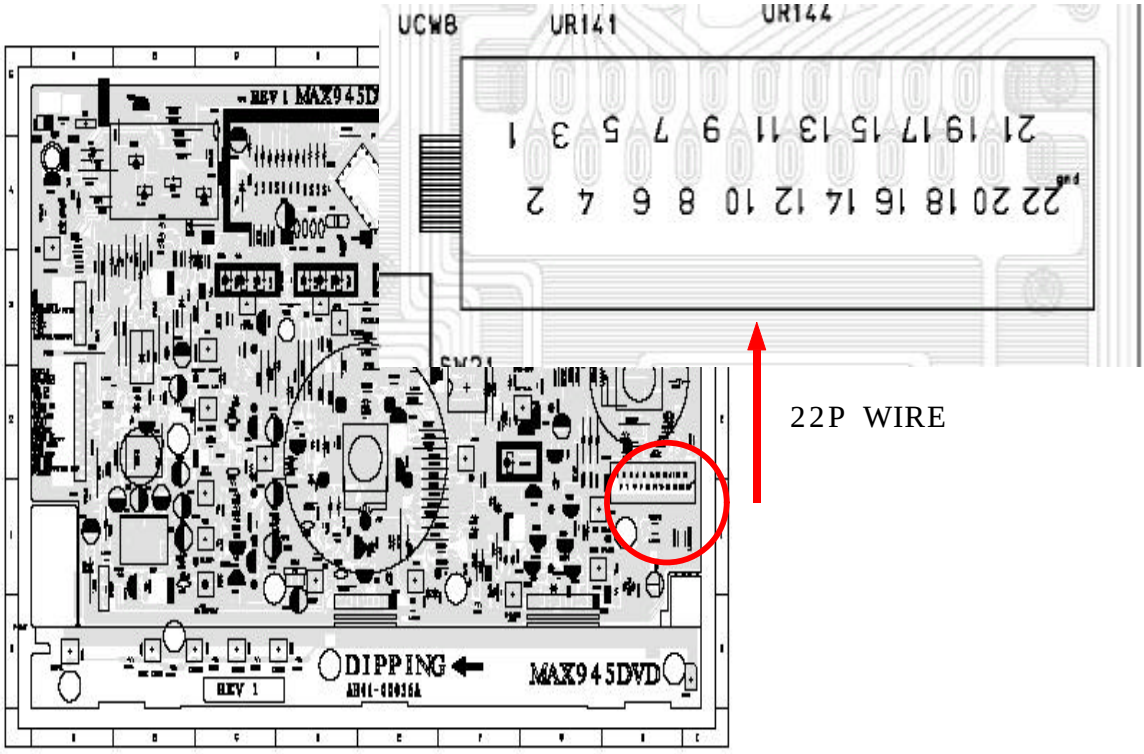
2P WIRE
(LCW1)





9P WIRE (LCW4)

8-2 FRONT



22P WIRE

5. Disconnet 2P wire (dvd fan)

6. Disassemble 2 screws of FAN
   Please use very small driver

7. Assemble New FAN
   Attension : FAN direction and connect 2P wire (important)

Reassembly

8. DECK reassembly (wire-connection)
   - CD DECK 3P(GRAY) wire ¡æ to OCW1 of MAIN PCB
   - CD DECK 3P(RED) wire ¡æ to FCW1 of MAIN PCB
   - CD DECK 2P wire ¡æ to LCW1 of PRO-LOGIC PCB
   - CD DECK 9P wire ¡æ to LCW4 of PRO-LOGIC PCB
   - CD DECK 22P FLAT wire ¡æ to UCW8 of FRONT PCB

9. Assemble DECK
   and then assemble 2 screws

10. Connect POWER ¡æ POWER ON ¡æ DOOR OPEN ¡æ assemble DOOR CD(figure 3-1 A)

11. DVD INSPECTION
    Test DVD/CD PLAY

13. Reassemble 17 screws of SIDE and TOP panel (figure 3-1 B,C)

--- end ---

¡á Buyer List (To delivery) : 2000-AUD-E0002

Country	Buyer	Remark
RUSSIAN	SESPO	
KAZAKHSTAN	SALSC	
RUSSIAN	SRSC	
RUSSIAN	SUSC	
UNITED KING	SESC	
FRANCE	SEF	
GERMANY	SEG	
NETHERLAND	SEN	
GREECE	EUROELECTR	
CROATIA	EUROPATRAD	
ITALY	SEI	
SWEDEN	SESAB	
SPAIN	SESAB	
KUWAIT	AL-ANDALUS	
UTD.ARAB.E	SGE	
EGYPT	EL-THOLATH	
IRAN	SAMCO	
AUSTRIA	ELSAT	
POLAND	SEPOL	
SOUTH AFRI	SSA	

Country	Buyer	Remark

SAMSUNG ELECTRONIC

BULLETIN

Product :	AUDIO	**Bulletin No. :**	2000-AUD-E0003
Model :	MAX 945D	**Bulletin Date :**	FEB. 16. 2000
Buyer :	SEE ATTACHMENT	**ECN # & Date :**	2000

SUBJECT : Improve Fan noise

Background : when the FAN is rotating, noisy is too loud

(Symptom)

Cause : FAN speed is too high

SOLUTION : When temperature is sensed, change from 3000 rpm to 2000 rpm for fan motor others is normal speed (3000 rpm)

Application Date : RUNNING CHANGE

(* I.C : Interchangeability Code Type)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
	AH92-00126A	**ASS'Y PCB**	**AH92-00126A**	**ASS'Y PCB**	
THQ1	0501-000303	TR:A733	SAME AS		no change
THQ2	0501-000010	TR:C1008Y	SAME AS		no change
THQ3	0501-000010	TR:C1008Y	SAME AS		no change
THQ4	0501-000303	TR:D882	SAME AS		no change
TWA1	AH39-20008N	WIRE:200mm	SAME AS		no change
TWA2	3711-000820	WAFER:5267 2P	SAME AS		no change
GND	AH61-40022A	TAP STUD	SAME AS		no change
THR1	2001-000003	R-CARBON: 330 OHM 1/8W	SAME AS		no change
THR2	2001-000290	10K OHM 1/8W	SAME AS		no change
THR3	2001-000290	10K OHM 1/8W	SAME AS		no change
THR4	2001-000802	5.6K OHM 1/8W	SAME AS		no change
THR5	2001-000290	10K OHM 1/8W	SAME AS		no change
THR6	2001-000613	3.9K OHM 1/8W	SAME AS		no change
THR7	2001-000613	3.9K OHM 1/8W	SAME AS		no change
THR8	2001-000938	68 OHM 1/8W	SAME AS		no change
THQ5			0501-000610	TR:A928	new add
THD1			0402-000127	DIODE:1N4002	new add
THC1			2401-001364	C-E:16V/470uF	new add
THR9			2001-000435	R:1M OHM 1/8W	new add
THR10			2001-000616	R:27 OHM 2W R-METAL	new add
THR11			2001-000290	R:10K OHM 1/8W	new add
THR12			2001-000273	R:100K OHM 1/8W	new add
THR13			2001-000273	R:100K OHM 1/8W	new add
THR14			2001-000977	R:8.2K OHM 1/8W	new add
THQ6			0501-000303	TR:A733	new add
	AH92-00115B	**ASS'Y MAIN PCB**	**AH92-00115B**	**ASS'Y MAIN PCB**	
AQ22	0501-000610	TR:A928	3811-000389	JUMP WIRE	new change
AR40	2001-000449	2.2K OHM 1/8W	3811-000389	JUMP WIRE	new change

Attachment Schematic Diagram ( ) Component Lay-out (Exploded View ( )

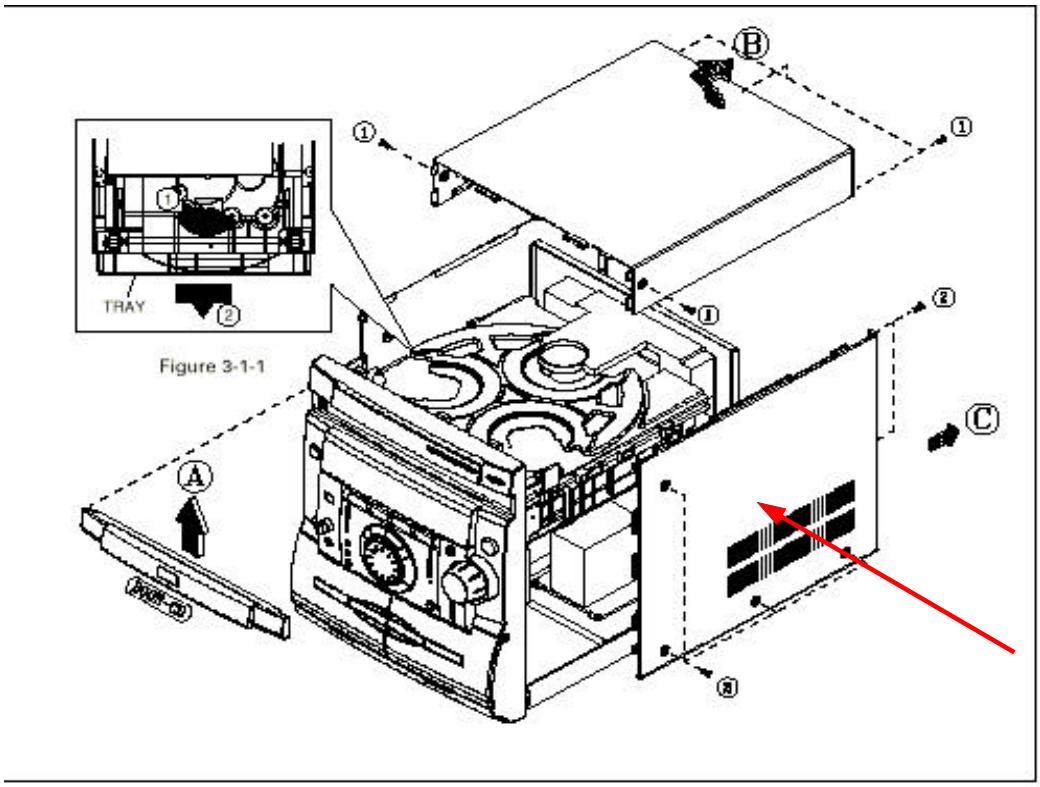
Mechanical Diagram ( ) P.C.B ( ) others (0)

Published by :	**Checked by :**	**Approved by :**

MAX 945D SVC METHOD OF FAN NOISE - method 1

¡Ú Countermeasure : Change FAN Pcb and modify main PCB (3 point)

1. Remove screws and Both side panel.



Both side panel
- Right
- Left

Figure 3-1

2. Change New FAN Pcb : Right - side (It's very small pcb)
(It's in the heat - sink of PRO - LOGIC PCB. It's assembled heat sink)

Caution : Don't forget connection - 3 point
3p wire (lcw6) to PRO - LOGIC pcb
2p wire (twa1) to FAN pcb
1p wire (GND) to PRO - LOGIC pcb

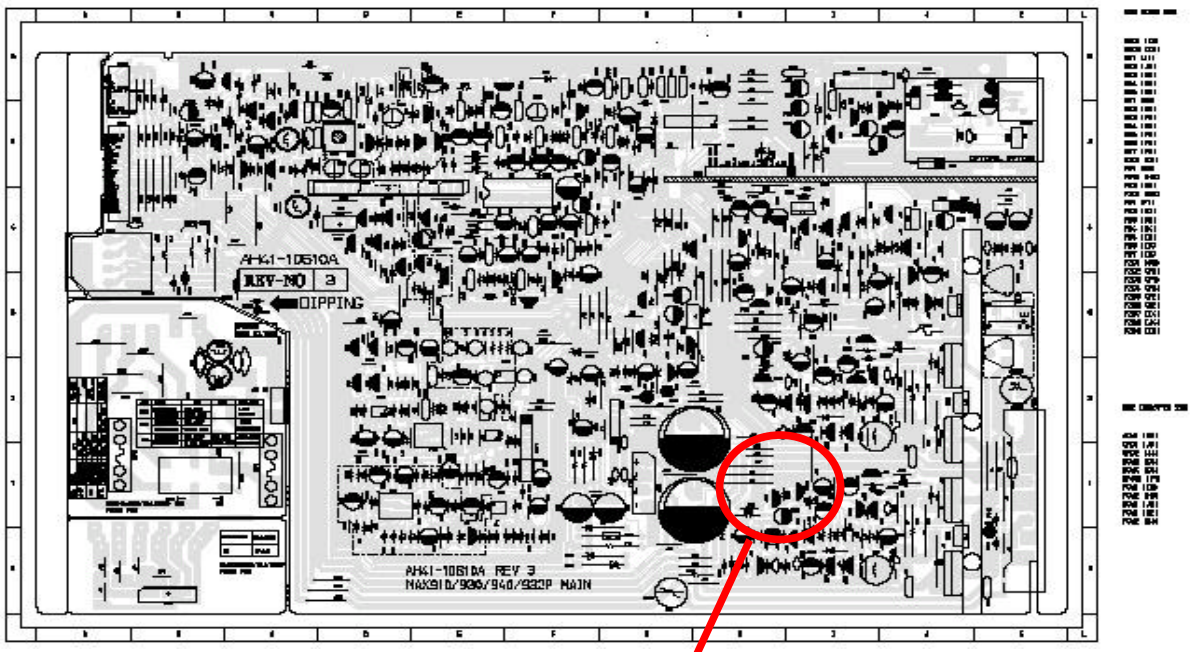
3. Modify main pcb - 3 point - - - refer to below (figure)
1) Main pcb lay out(full)
2) Expanding lay out
3) Expanding lay out (parts - side)
4) Expanding lay out (pattern - side)

Modify position (See the 3rd page)
¨ç Pattern short : TR AQ22(A928) "Emitter" and AR48
¨è Pattern cut : TR AQ22(A928) "Collector" and Jumper 191
¨é Pattern cut : TR AQ22(A928) "Base" and AR48

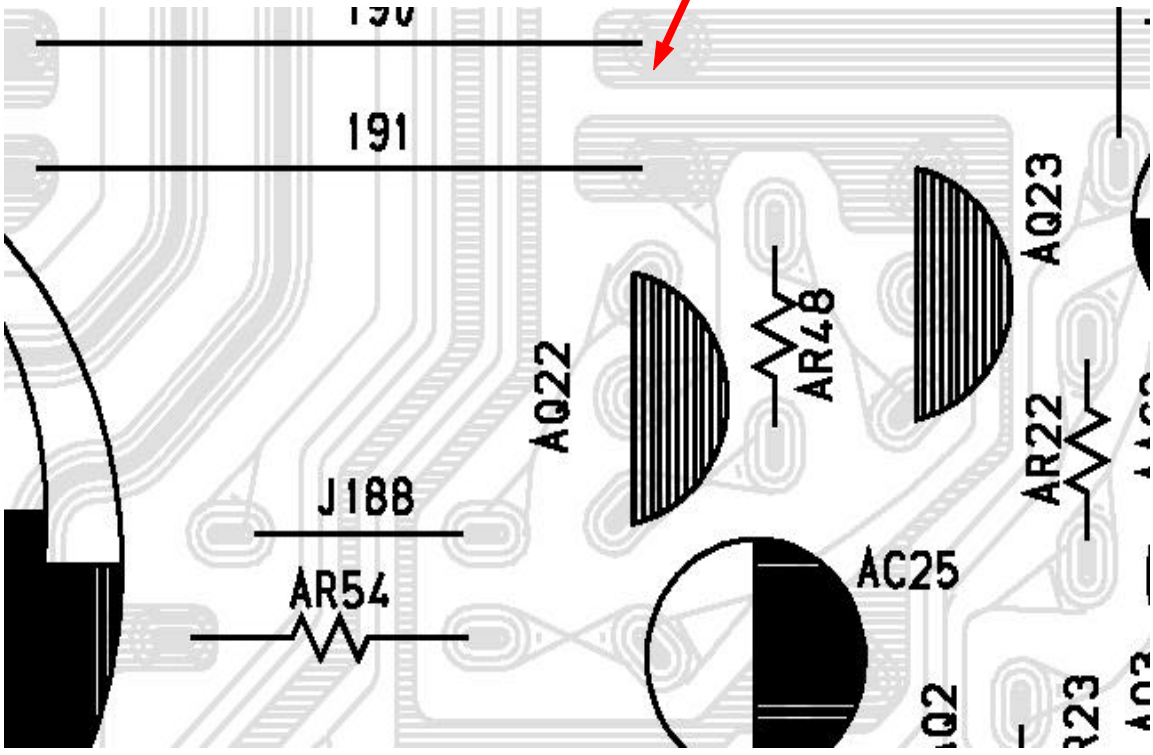
1) Main pcb lay out

8. Printed Circuit Board Diagram

8-1 MAIN

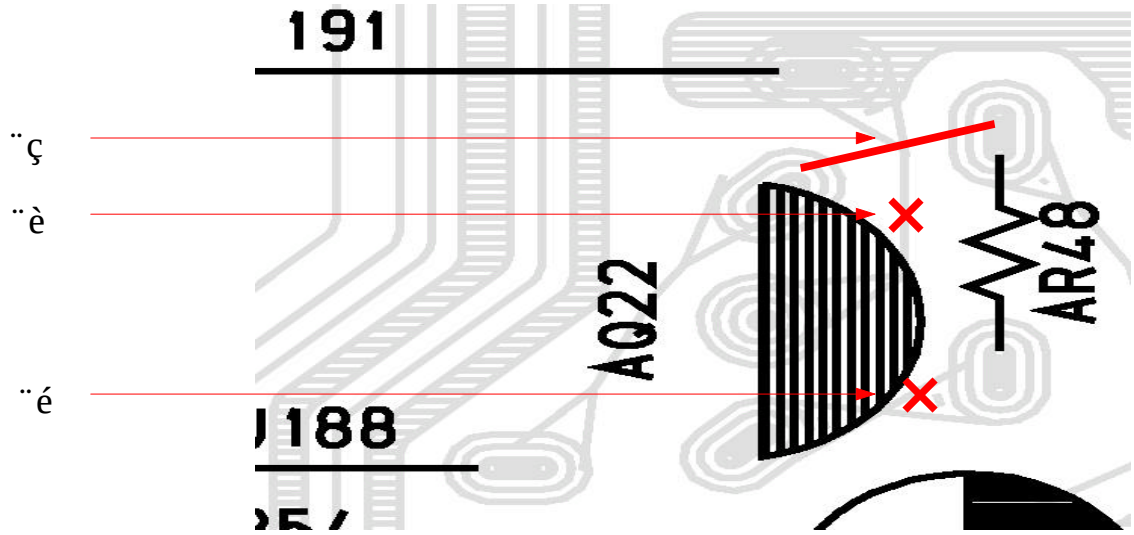


2) Expanding lay out



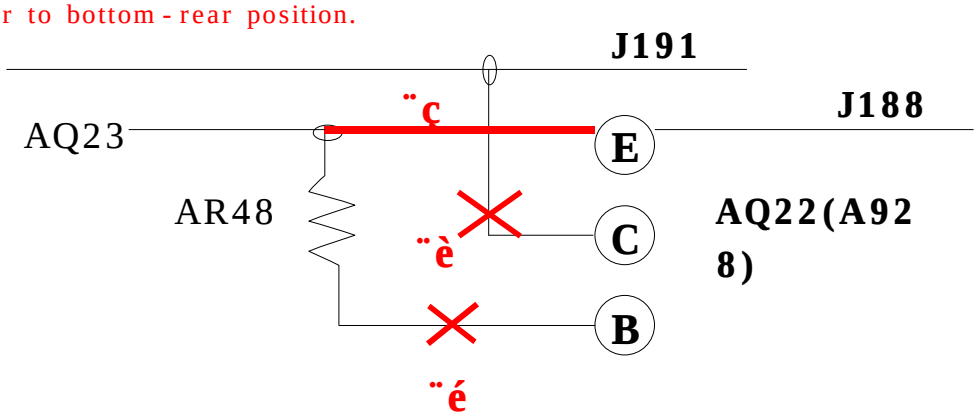
- Expanded figure : next page

3) Expanding lay out (Parts - side)



4) Expanding lay out (Pattern - side)

- Remove left - side panel and then you will see this pattern.
- It's near to bottom - rear position.



Modify position

¨ç Pattern short : TR AQ22(A928) "Emitter" and AR48
(above figure 1 position)

¨è Pattern cut : TR AQ22(A928) "Collector" and Jumper 191
(above figure 2 position)

¨é Pattern cut : TR AQ22(A928) "Base" and AR48
(above figure 3 position)

That is, AR48 do not use any more

4. Assemble both - side panel (right/left)

The end.

Thank you very much.

¡á Buyer List (To delivery) : 2000-AUD-E0003

Country	Buyer	Remark
RUSSIAN	SESPO	
KAZAKHSTAN	SALSC	
RUSSIAN	SRSC	
RUSSIAN	SUSC	
UNITED KING	SESC	
FRANCE	SEF	
GERMANY	SEG	
NETHERLAND	SEN	
GREECE	EUROELECTR	
CROATIA	EUROPATRAD	
ITALY	SEI	
SWEDEN	SESAB	
SPAIN	SESAB	
KUWAIT	AL-ANDALUS	
UTD.ARAB.E	SGE	
EGYPT	EL-THOLATH	
IRAN	SAMCO	
AUSTRIA	ELSAT	
POLAND	SEPOL	
SOUTH AFRI	SSA	

Country	Buyer	Remark

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	AUDIO	**Bulletin No.**	: 2000-AUD-E0004
Model :	MAX 945D	**Bulletin Date**	: FEB. 16. 2000
Buyer :	SEE ATTACHMENT	**ECN # & Date :**	2000

SUBJECT : Improve playability (software)

Background : No lead in,picture is freezing,menu is not appear etc
(Symptom)

.

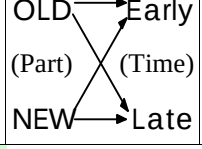
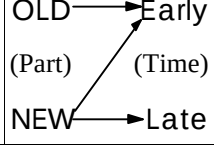
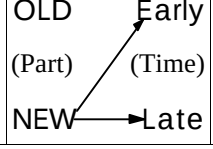
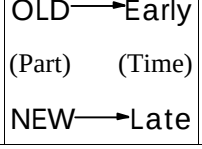
Cause : eprom program error

SOLUTION : improve eprom program
eprom change

Application Date : RUNNING CHANGE

(* I.C : Interchangeability Code Type)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange-ability Code (* I.C)					Part Addition (× ¡æ NEW)	Part deletion (OLD ¡æ ×)

Application	Reference (O)	Only Defected sets ( )	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	P.C.B ( )	others (0)

Product Month :		**Serial No.** (~ from)	
Published by :	**Checked by :**	**Approved by :**	

MAX 945DVD EPROM EXCHANGING METHOD

after UNPACKING

1. Remove 17 screws of TOP(B) and SIDE(C) Panel.
   = Refer to SVC manual page 3-1

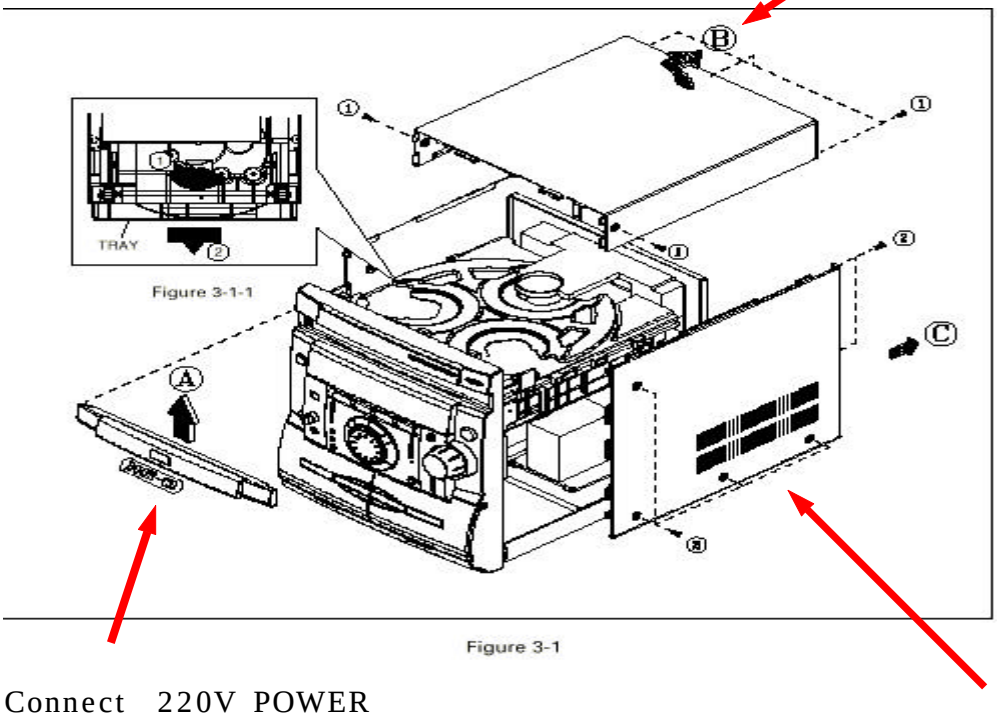


Figure 3-1-1

Figure 3-1

2. Connect 220V POWER
   and POWER ON ¡æ DOOR OPEN ¡æ separate DOOR CD(A)
   and DOOR CLOSE ¡æ POWER OFF ¡æ Disconnect POWER
   = Refer to SVC manual page 3-1 or above figure

3. Remove 2 screws of DECK at Rear Panel (2EA)
   = Refer to SVC manual page 3-2

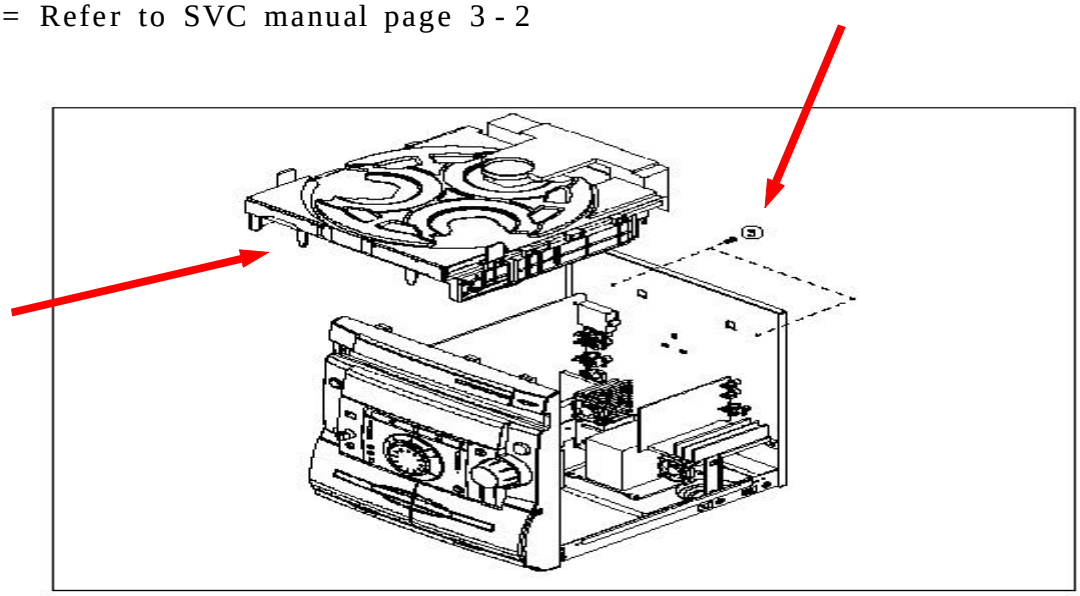
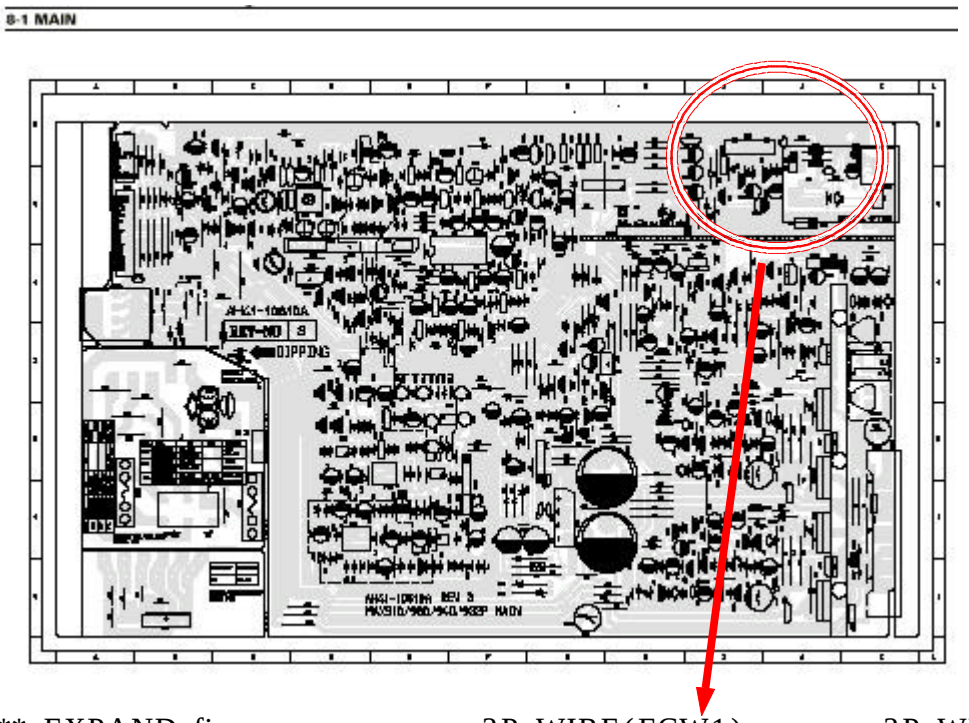


Figure 3-2

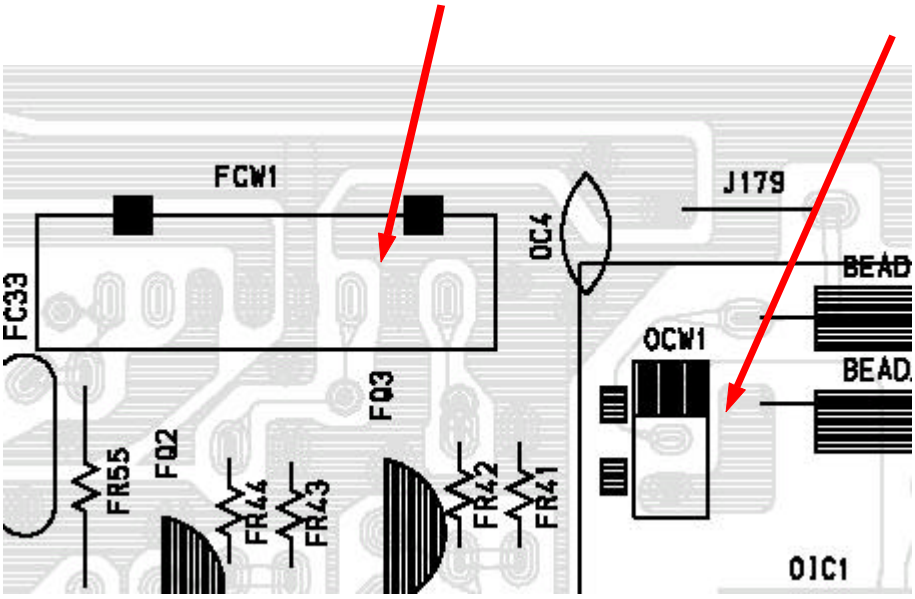
4. Lift the back of the CD-MECHA to remove
and disconnect connecting 5 wires.

- OCW1 (RED) of MAIN PCB <- CD DECK 3P wire
- FCW1 (GRAY) of MAIN PCB <- CD DECK 3P wire
- LCW1 (GRAY) of PRO-LOGIC PCB ¡ç CD DECK 2P wire
- LCW4 of PRO-LOGIC PCB ¡ç CD DECK 9P wire
- UCW8 FLAT wire of FRONT-PCB ¡ç CD DECK 22P wire

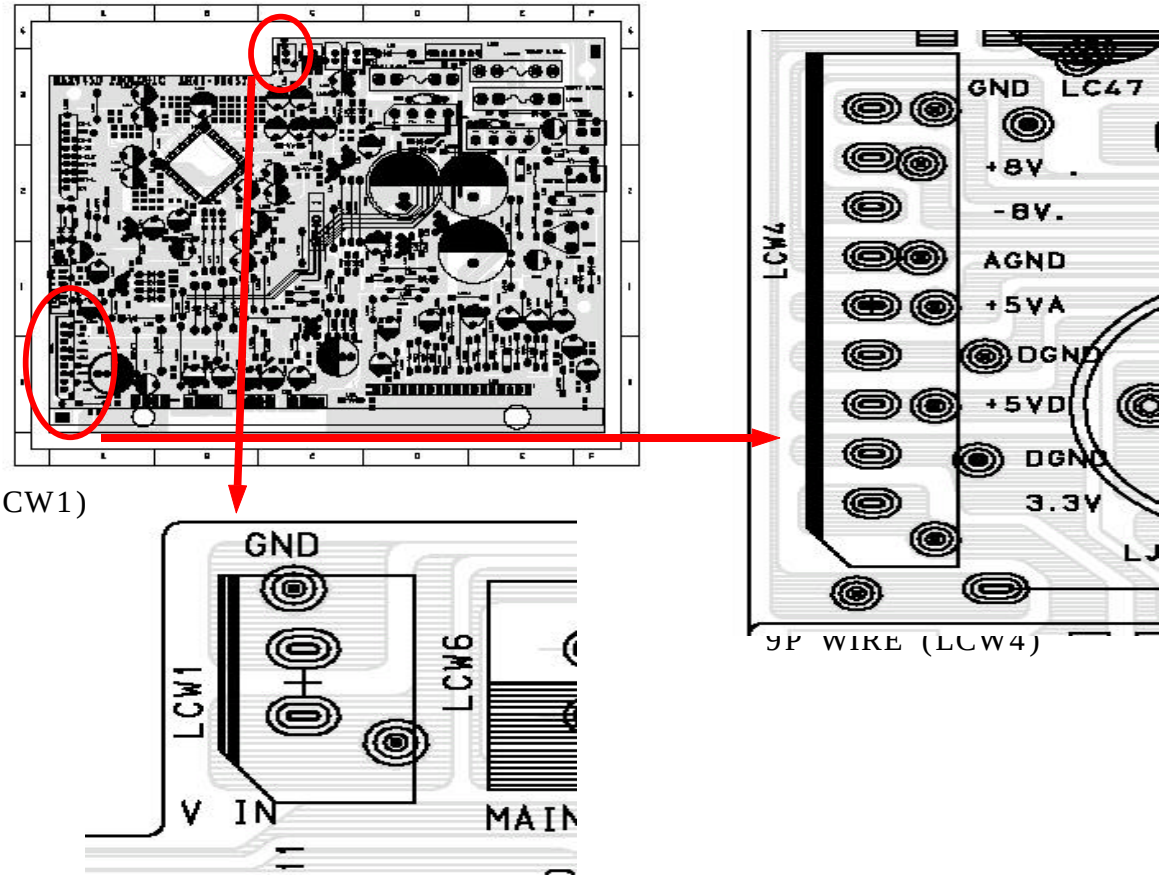
=== Refer to SVC manual page 8-1,8-2,8-3



*** EXPAND figure 3P WIRE(FCW1) 3P WIRE(OCW1)



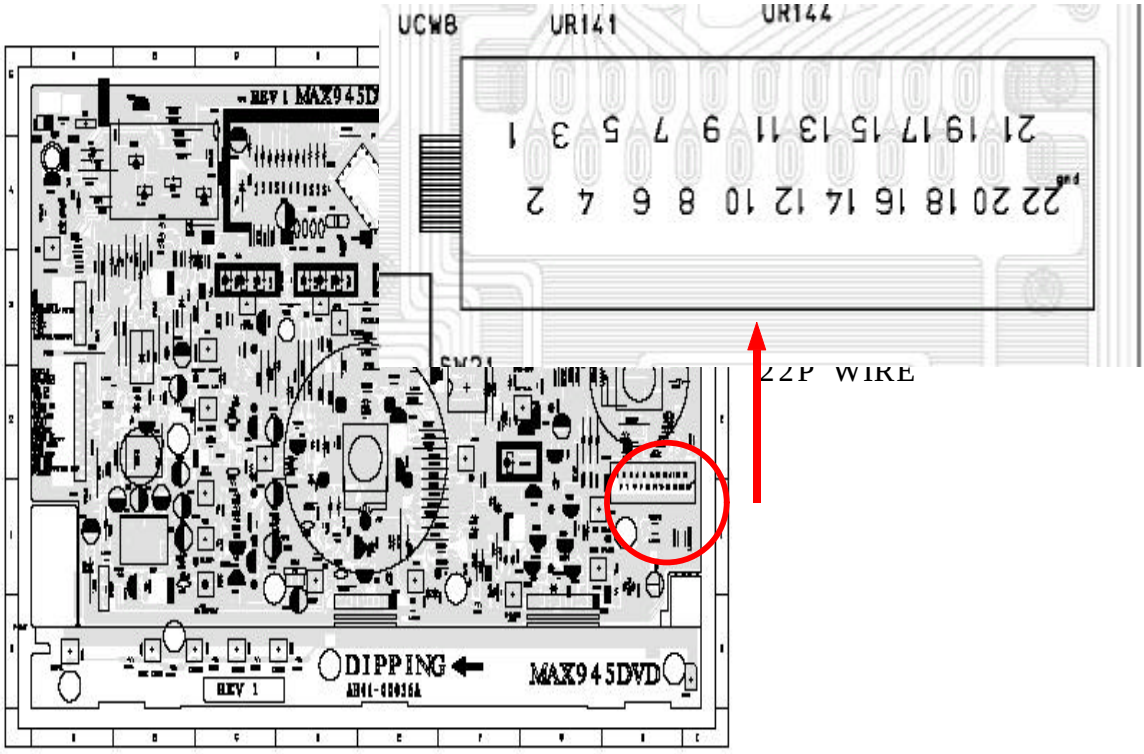
8-3 Pro-Logic



(LCW1)

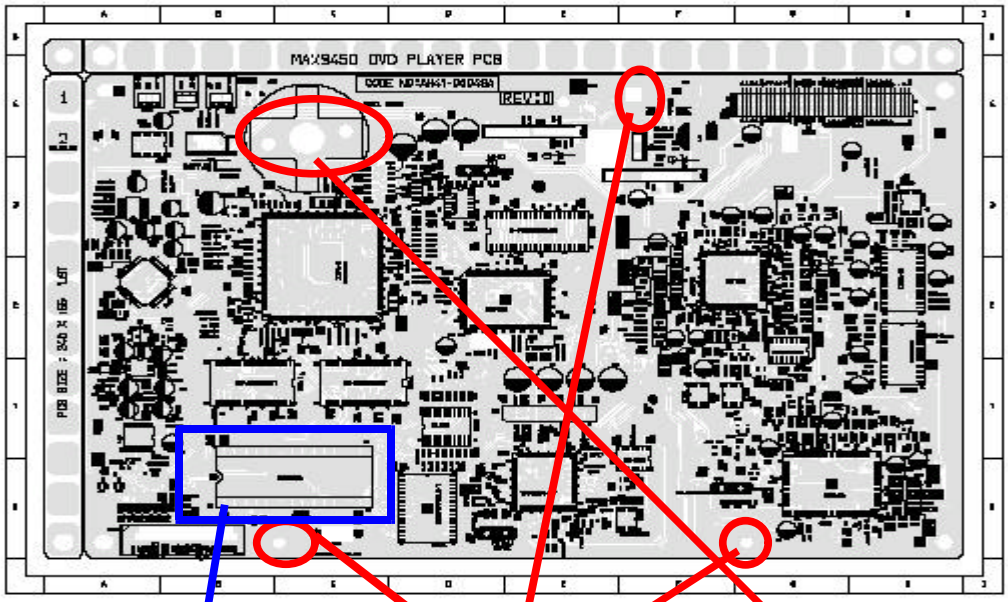
9P WIRE (LCW4)

8-2 FRONT



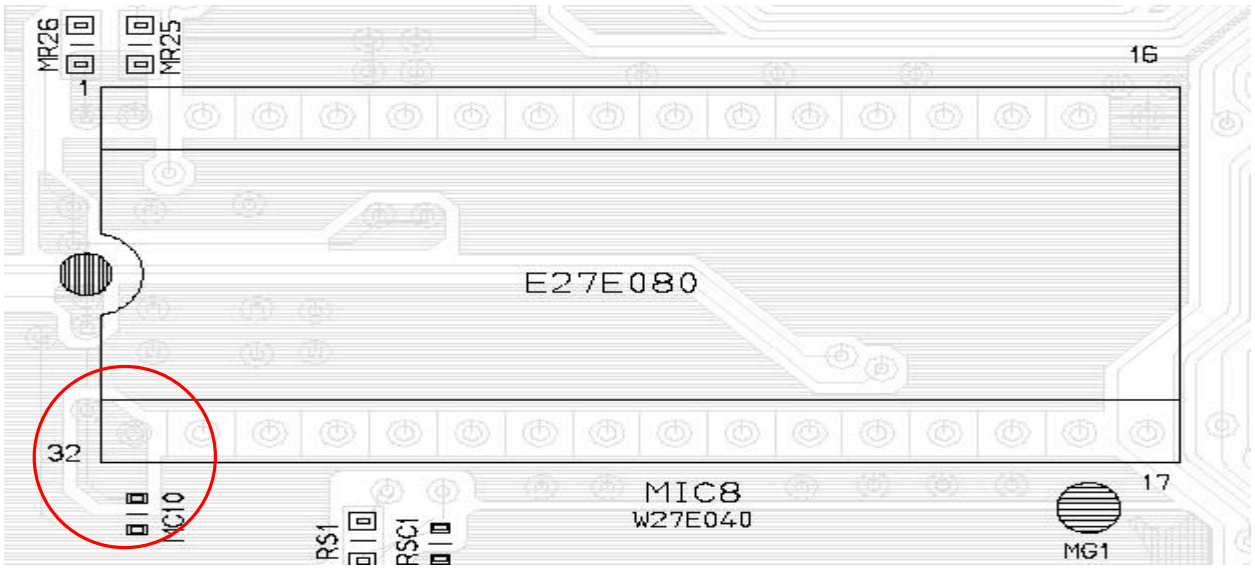
22P WIRE

8-6 DVD(TOP View)



5. Remove 3 screws of DECK PCB
   and then desoldering lead of OP/CL motor (it's in top-left side of dvd-pcb
   === Refer to SVC manual page 8-6
   and then remove DVD PCB

6. See parts-side of PCB
   EPROM CHANGE
   Attension : EPROM direction



Reassembly

7. Soldering lead of OP/CL motor
   assemble PCB (3 screws)

8. DECK reassembly (wire-connection)
   - CD DECK 3P(GRAY) wire ¡æ to OCW1 of MAIN PCB
   - CD DECK 3P(RED) wire ¡æ to FCW1 of MAIN PCB
   - CD DECK 2P wire ¡æ to LCW1 of PRO-LOGIC PCB
   - CD DECK 9P wire ¡æ to LCW4 of PRO-LOGIC PCB
   - CD DECK 22P FLAT wire ¡æ to UCW8 of FRONT PCB

9. Assemble DECK
   and then assemble 2 screws

10. Connect POWER ¡æ POWER ON ¡æ DOOR OPEN ¡æ assemble DOOR CD(figure 3-1 A)

11. COLD START
    CD or DVD disc insert ¡æ PLAY ¡æ STOP after READ IN ¡æ
    Push COUNTER RESET Button about 5 seconds more ¡æ then
    Displayed Language Selection MENU at MONITOR(TV) ¡æ
    Using remocon, Push NO button as you want ¡æ and then POWER OFF

12. DVD INSPECTION
    Test DVD/CD PLAY

13. Reassemble 17 screws of SIDE and TOP panel (figure 3-1 B,C)

- - - end - - -

¡á Buyer List (To delivery) : 2000-AUD-E0004

Country	Buyer	Remark
RUSSIAN	SESPO	
KAZAKHSTAN	SALSC	
RUSSIAN	SRSC	
RUSSIAN	SUSC	
UNITED KING	SESC	
FRANCE	SEF	
GERMANY	SEG	
NETHERLAND	SEN	
GREECE	EUROELECTR	
CROATIA	EUROPATRAD	
ITALY	SEI	
SWEDEN	SESAB	
SPAIN	SESAB	
KUWAIT	AL-ANDALUS	
UTD.ARAB.E	SGE	
EGYPT	EL-THOLATH	
IRAN	SAMCO	
AUSTRIA	ELSAT	
POLAND	SEPOL	
SOUTH AFRI	SSA	

Country	Buyer	Remark